Vol. 16
Contents

2001

Contents

Volume 16 Number 1 January 2001

Editorial

1 Working towards a real cure for patients with small hepatocellular carcinoma *N Leung*
See article on page 46

Review

3 Use of ursodeoxycholic acid in liver diseases *D Kumar and RK Tandon*

Intestinal Metaplasia of the Stomach

15 Aging increases, and duodenal ulcer reduces the risk for intestinal metaplasia of the gastric corpus in Japanese patients with dyspepsia *T Tsukui, R Kashiwagi, M Sakane, F Tabata, T Akamatsu, K Wada, S Futagami, K Miyake, N Sueoka, T Hirakawa, M Kobayashi, T Fujimori and C Sakamoto*

Molecular Therapy for Gastric Carcinoma Cells

22 Molecular therapy with recombinant antisense c-myc adenovirus for human gastric carcinoma cells *in vitro* and *in vivo* *J-P Chen, C Lin, C-P Xu, X-Y Zhang, M Fu, Y-P Deng, Y Wei and M Wu*

Viral Hepatitis, Cirrhosis and Hepatocellular Carcinoma: Experimental and Clinical Studies

29 Kinetics of hepatitis C virus during interferon therapy as a marker of therapeutic response *M Nakamuta, T Fukutomi, N Shimohashi, N Kinukawa, K Uchimura, S Tada, K Motomura, M Enjoji, M Kato, H Iwamoto, Y Tanabe, Y Imari, S Sakamoto, H Sakai and H Nawata*

34 Subcellular redistribution of protein kinase C isozymes is associated with rat liver cirrhotic changes induced by carbon tetrachloride or thioacetamide *D-H Jeong, S-J Lee, J-H Lee, I-H Bae, K-S Jeong, J-J Jang, I-K Lim, M-R Kim, M-J Lee and Y-S Lee*

41 Portal hypertensive response to bradykinin in inflamed or cirrhotic rat livers is mediated by B_2-type receptors *MR Loureiro-Silva, HM Molina and DR Borges*

46 Importance of achieving complete necrosis during the first treatment for hepatocellular carcinoma to prevent bone metastasis: A prospective study *M Iwata, S Kaneko, S Terasaki, E Matsushita, T Urabe, K Kobayashi and O Matsui*
See editorial on page 1

Immortalized Hepatocytes

52 Survival of conditionally immortalized hepatocytes in the spleen of syngeneic rats *B-H Kim, S-R Sung, J-K Park, Y-I Kim, K-J Kim, S-H Dong, H-J Kim, Y-W Chang, J-I Lee and R Chang*

Endotoxin, Liver and Pancreas

61 Endotoxin treatment causes an upregulation of the endothelin system in the liver: Amelioration of increased portal resistance by endothelin receptor antagonism *CR Gandhi, RH Kuddus, EM Nemoto and N Murase*

70 Aortic hyporeactivity to norepinephrine induced by lipopolysaccharide in cirrhotic rats: Beneficial effects of a non-steroidal anti-inflammatory drug coupled with a nitric oxide donor *P Lefilliatre, P Sogni, V Bertrand, P Del Soldato, D Pateron, R Moreau and D Lebrec*

79 Pancreatitis-associated protein-I mRNA expression in mouse pancreas is upregulated by lipopolysaccharide independent of cerulein-pancreatitis *X Wang, B Wang and J Wu*

Pancreas Secretion and Magnetic Resonance Imaging

87 Evaluation of pancreatic secretion after administration of secretin: Application of magnetic resonance imaging *A Nanashima, H Yamaguchi, T Fukuda, I Sakamoto, A Kuroda, T Sawai, T Nakagoe and H Ayabe*

Shock-Wave Lithotripsy in Gallstones and Bile Duct Stones

93 Long-term evaluation of extracorporeal shock-wave lithotripsy in cholesterol gallstones *R Tsumita, N Sugiura, A Abe, M Ebara, H Saisho and Y Tsuchiya*

100 Comparison of intraductal ultrasonography with percutaneous transhepatic cholangioscopy for the indentification of residual bile duct stones during lithotripsy *K Tamada, A Ohashi, T Tomiyama, S Wada, Y Satoh, T Higashizawa, K Ido and K Sugano*

Images of Interest

105 Gastrointestinal: Gallstone ileus

106 Hepatobiliary and pancreatic: A woman with abdominal pain and fever

118 Hepatobiliary and pancreatic: Commentary

Case Reports

107 Acinar cell carcinoma with hypervascularity *J-D Chen, M-S Wu, Y-W Tien, K-T Kuo, M-C Chang and J-T Lin*

112 Lupus-like syndrome with submassive hepatic necrosis associated with hepatitis A *A Segev, R Hadari, T Zehavi, M Schneider, R Hershkoviz and YA Mekori*

115 Acute hepatitis induced by Shou-Wu-Pian, a herbal product derived from *Polygonum multiflorum* *GJ-H Park, SP Mann and MC Ngu*

120 **Notices**

Volume 16 Number 2 February 2001

Editorial

121 Are primary biliary cirrhosis and autoimmune cholangitis reflective of the pendulum of a clock and therefore represent a 'phase' of the same disease? *H Ishibashi*
See article on page 239

Review

124 New hepatitis viruses: Contenders and pretenders *S Bowden*

Reflux Esophagitis and Ulcers in the Gastric Tube

132 Role of hiatus hernia and gastric mucosal atrophy in the development of reflux esophagitis in the elderly *K Amano, K Adachi, T Katsube, M Watanabe and Y Kinoshita*

137 Ulcer in the gastric tube for esophageal replacement: A comparison of 12 esophageal cancer patients with or without postoperative radiotherapy *N Koide, M Hiraguri, A Nishio, K Hanazaki, W Adachi, N Shikama, M Oguchi, T Maezawa and J Amano*

Gastric Carcinoma: T-cell Response and Vascularity

142 Shift of the gastric T-cell response in gastric carcinoma *Z Ren, G Pang, R Clancy, LC Li, CS Lee, R Batey, T Borody and M Dunkley*

149 Vascularity of advanced gastric carcinoma: Evaluation by using power Doppler imaging *T Kawasaki, T Ueo, T Itani, M Shibatohge, J Mimura, H Komori, A Todo and M Kudo*

Children's Recurrent Abdominal Pain

154 Predictors of health-care consultation for recurrent abdominal pain among urban schoolchildren in Malaysia *CCM Boey and K-L Goh*

Colon Inflammation, Cell Growth and Carcinoma

160 Dietary fiber fraction of germinated barley foodstuff attenuated mucosal damage and diarrhea, and accelerated the repair of the colonic mucosa in an experimental colitis *O Kanauchi, T Iwanaga, A Andoh, Y Araki, T Nakamura, K Mitsuyama, A Suzuki, T Hibi and T Bamba*

169 Binding sites for progastrin-derived peptides in colonic crypts *Y Karelina and GS Baldwin*

176 Comparison of the expression of ABH/Lewis-related antigens in polypoid and non-polypoid growth types of colorectal carcinoma *T Nakagoe, K Fukushima, A Nanashima, T Sawai, T Tsuji, M-A Jibiki, H Yamaguchi, T Yasutake, H Ayabe, T Matuo and Y Tagawa*

184 Polymorphic expression of decay-accelerating factor in human colorectal cancer *M Nakagawa, M Mizuno, M Kawada, T Uesu, J Nasu, K Takeuchi, H Okada, Y Endo, T Fujita and T Tsuji*

Hepatitis C Virus Infection: Clinical, Virologic and Pathologic Features

190 Hepatic steatosis in chronic hepatitis C virus infection: Prevalence and clinical correlation *S-J Hwang, J-C Luo, C-W Chu, C-R Lai, C-L Lu, S-H Tsay, J-C Wu, F-Y Chang and S-D Lee*

196 Serum amino-terminal propeptide of type III procollagen and 7S domain of type IV collagen correlate with hepatic iron concentration in patients with chronic hepatitis C following α-interferon therapy *I Shimizu, T Omoya, T Takaoka, S Wada, H Wada, M Taoka, H Hayashi, S Hayashi, H Honda, N Sano and S Ito*

202 Clinical significance of TT virus in chronic hepatitis C *XW Meng, M Komatsu, T Goto, K Nakane, S Ohshima, K Yoneyama, JG Lin and S Watanabe*

Acute Hepatitis C: Comparison with Acute Hepatitis B

209 Comparison of clinical, virological and pathological features in patients with acute hepatitis B and C *C-W Chu, S-J Hwang, J-C Luo, Y-J Wang, R-H Lu, C-R Lai, S-H Tsay, J-C Wu, F-Y Chang and S-D Lee*

Hepatitis B or C Virus Infections and Non-Hodgkin's Lymphoma

215 Prevalence of hepatitis B or C virus infections in patients with non-Hodgkin's lymphoma *M Kuniyoshi, M Nakamuta, H Sakai, M Enjoji, N Kinukawa, K Kotoh, M Fukutomi, M Yokota, H Nishi, H Iwamoto, N Uike, J Nishimura, S Inaba, Y Maeda, H Nawata and K Muta*

Focal Segmental Atrophy in Primary Sclerosing Cholangitis

220 Imaging and clinical characteristics of focal atrophy of segments 2 and 3 in primary sclerosing cholangitis *SH Caldwell, EE Hespenheide, D Harris and EE de Lange*

Images of Interest

227 Gastrointestinal: Gastric volvulus

225 Hepatobiliary and pancreatic: An old woman with gallstones

228 Hepatobiliary and pancreatic: Commentary

Case Reports

230 Sphincter of Oddi dysfunction associated with choledochal cyst *AG Craig, L-D Chen, GTP Saccone, J Chen, RTA Padbury and J Toouli*

235 Duodenal tuberculosis with a choledocho-duodenal fistula *S-I Miyamoto, J Furuse, Y Maru, H Tajiri, M Muto and M Yoshino*

239 Changes in titers of antimitochondrial and antinuclear antibodies during the course of primary biliary cirrhosis *J-I Masuda, K Omagari, I Matsuo, H Kinoshita, K Sakimura, H Hazama, K Ohba, H Isomoto, K Murase, I Murata and S Kohno*
See editorial on page 121

244 **Notices**

Volume 16 Number 3 March 2001

Editorial

245 Antinuclear (chromatin) autoantibodies in autoimmune hepatitis *IR Mackay*
See article on page 1176, volume 15

Review

248 Apoptosis and liver diseases: Recent concepts of mechanism and significance *RK Ockner*

***Helicobacter pylori* Infection: Basic and Clinical Problems**

261 Effect of mouth washing on the [^{13}C]-urea breath test *T-H Lee, J-C Yang, S-C Lee, S-S Farn and T-H Wang*

264 A randomized controlled comparison of three quadruple therapy regimens in a population with low *Helicobacter pylori* eradication rates *R Sotudehmanesh, R Malekzadeh, A Fazel, S Massarrat, B Ziad-Alizadeh and MR Eshraghian*

269 Effect of *Helicobacter pylori* eradication on gastric mucosal phospholipid content and its fatty acid composition *T Orihara, H Wakabayashi, A Nakaya, K Fukuta, S Makimoto, K Naganuma, A Entani and A Watanabe*

276 Comparison of clinical, serological and histological findings between non-ulcer dyspepsia patients with and without *Helicobacter pylori* infection *C-C Lo, P-I Hsu, G-H Lo, K-H Lai, J-S Cheng, H-H Tseng, C-K Lin, H-H Chan, Y-Y Wang, M-K Ku, C-P Lin, N-J Peng and EJ Chien*

Impairment and Repair of Gastric Mucosa: Monochloramine and Diazoxide

282 Monochloramine impairs mucosal blood flow response and healing of gastric lesions in rats: Relation to capsaicin-sensitive sensory neurons *K Takeuchi, K Suzuki, H Mizoguchi, H Araki and H Nishiwaki*

290 Diazoxide, a K_{ATP} opener, accelerates restitution of ethanol or indomethacin-induced gastric ulceration in rats independent of polyamines *M Rahgozar, HP Toroudi, A Bakhtiarian and B Djahanguiri*

Intestinal Mucosal Pattern in Myanmar

297 Small intestinal mucosal pattern of Myanmar children *W-M Aye, T-T Htwe, M-Khin, S-K Hla, T-T Myint and TD Bolin*

Hepatitis B and C Virus Infection

301 Economic evaluation of the societal costs of hepatitis B in South Korea *BM Yang, SW Paik, OS Hahn, DH Yi, MS Choi and S Payne*

309 Generation of hepatitis C virus-specific cytotoxic T lymphocytes from healthy individuals with peptide-pulsed dendritic cells *A Ito, T Kanto, N Kuzushita, T Tatsumi, Y Sugimoto, T Miyagi, T Takehara, K Katayama, K Mochizuki, N Hiramatsu, A Kasahara, I Yoshiya, Y Sasaki, M Hori and N Hayashi*

Liver Cirrhosis: Bacterial Peritonitis, Pleural Effusion and Encephalopathy

317 Radioisotope scintigraphy in the diagnosis of hepatic hydrothorax *A Bhattacharya, BR Mittal, T Biswas, RK Dhiman, B Singh, SK Jindal and Y Chawla*

322 Auditory P300 event-related potentials and number connection test for evaluation of subclinical hepatic encephalopathy in patients with cirrhosis of the liver: A follow-up study *N Saxena, M Bhatia, YK Joshi, PK Garg and RK Tandon*

Centrilobular Hepatic Necrosis

328 Isocitrate dehydrogenase as a marker of centrilobular hepatic necrosis in the experimental model of rats *Y-H Chung, JA Kim, B-C Song, IH Song, MS Koh, HC Lee, E Yu, YS Lee and DJ Suh*

Hepatocellular Carcinoma: Treatment and Recurrence Marker

333 A phase one study of the hepatic arterial administration of 1,25 dihydroxyvitamin D_3 for liver cancers *IG Finlay, GJ Stewart, J Akhter and DL Morris*

338 Enhanced polyadenosine disphosphate-ribosylation in cirrhotic liver and carcinoma tissues in patients with hepatocellular carcinoma *M Shiobara, M Miyazaki, H Ito, A Togawa, N Nakajima, F Nomura, N Morinaga and M Noda*

Images of Interest

347 Gastrointestinal: Gastric metaplasia in the duodenal bulb

345 Hepatobiliary and pancreatic: A hemodialysis patient with sonographic abnormalities

348 Hepatobiliary and pancreatic: Commentary

Case Reports

349 A case of inability to belch *M Tomizawa, M Kusano, T Aoki, S Ohashi, O Kawamura, T Sekiguchi and M Mori*

352 Cavernous hemangioma of the liver with giant cyst formation: Degeneration by apoptosis? *K Hanazaki, N Koide, S Kajikawa, T Ushiyama, T Watanabe, W Adachi and J Amano*

356 Autoimmune hepatitis with membranous glomerulonephritis *K Takahashi, S Takasaki, C Morita, K Hayashida, M Matsui, Y Tamechika and H Ishibashi*

360 **Notices**

Volume 16 Number 4 April 2001

Editorial

361 Chemotherapy for highly advanced hepatocellular carcinoma *K Tanikawa*
See article on page 452

Review

363 Biliary cancer growth factor pathways, cyclo-oxygenase-2 and potential therapeutic strategies *AE Sirica, G-H Lai and Z Zhang*

Reflux Esophagitis in Korea

373 Prevalence of endoscopic reflux esophagitis among Koreans *SJ Lee, CW Song, YT Jeen, HJ Chun, HS Lee, SH Um, SW Lee, JH Choi, CD Kim, HS Ryu and JH Hyun*

***Helicobacter pylori* Infection: Mechanism of Colonization and Functional Dyspepsia**

377 Reduced colonization of gastric mucosa by *Helicobacter pylori* in mice deficient in interleukin-10 *W Chen, D Shu and VS Chadwick*

384 Prevalence of functional dyspepsia and its relationship with *Helicobacter pylori* infection in a Japanese population *A Kawamura, K Adachi, T Takashima, M Murao, T Katsube, M Yuki, M Watanabe and Y Kinoshita*

Colorectal Cancer Screening

389 Fecal occult blood and flexible sigmoidoscopy screening for colorectal cancer: Modeling the impact on colonoscopy requirements and cancer detection rates *JK Olynyk, CF Platell and JA Collett*

Chronic Hepatitis B and C, and Interferon Therapy

393 Effect of multiple mutations in the core promoter and pre-core/core region of hepatitis B virus genome on the response to interferon in e antigen-positive chronic hepatitis B *X Zhang, Y Han, Z Lu, J Gao, Z Luo and D Zhang*

399 Long-term follow up of chronic hepatitis C patients after α-interferon treatment: A functional study *E Giannini, A Fasoli, F Botta, E Testa, P Romagnoli, P Ceppa and R Testa*

406 Long-term interferon therapy for 1 year or longer reduces the hepatocellular carcinogenesis rate in patients with liver cirrhosis caused by hepatitis C virus: A pilot study *K Ikeda, S Saitoh, M Kobayashi, Y Suzuki, F Suzuki, A Tsubota, Y Arase, N Murashima, K Chayama and H Kumada*

Hepatitis C Virus Change by Chronic Alcohol Intake

416 Difference in quasispecies of the hypervariable region 1 of hepatitis C virus between alcoholic and non-alcoholic patients *K Takahashi, T Takahashi, S Takahashi, K Watanabe, S Boku, S Matsui, F Arai and H Asakura*

TT Virus in the Liver

424 TT Virus is shown in the liver by *in situ* hybridization with a PCR-generated probe from the serum TTV-DNA *H Ohbayashi, Y Tanaka, S Ohoka, R Chinzei, S Kakinuma, M Goto, M Watanabe, F Marumo and C Sato*

Liver Cirrhosis: Gastropathy and Iron Overload

429 Immunohistochemical localization of vascular endothelial growth factor in the rat portal hypertensive gastropathy *K Tsugawa, M Hashizume, M Tomikawa, S Migou, H Kawanaka, S Shiraishi, K Sueishi and K Sugimachi*

438 Iron overload impairs pro-inflammatory cytokine responses by Kupffer cells *JK Olynyk and SL Clarke*

Hepatocellular Carcinoma: Recurrence and Chemotherapy

445 Postoperative detection of α-fetoprotein mRNA in blood as a predictor for metastatic recurrence of hepatocellular carcinoma *M Minata, N Nishida, T Komeda, H Azechi, H Katsuma, T Nishimura, M Kuno, T Ito, Y Yamamoto, I Ikai, Y Yamaoka, Y Fukuda and K Nakao*

452 Improved survival with oral administration of enteric-coated tegafur/uracil for advanced stage IV-A hepatocellular carcinoma *T Ishikawa, T Ichida, S Sugitani, Y Tsuboi, T Genda, S Sugahara, K Uehara, J Inayoshi, J Yokoyama, Y Ishimoto and H Asakura*
See editorial on page 361

460 Modulation of doxorubicin sensitivity by cyclosporine A in hepatocellular carcinoma cells and their doxorubicin-resistant sublines *K Shiraga, K Sakaguchi, T Senoh, T Ohta, S Ogawa, T Sawayama, H Mouri, A Fujiwara and T Tsuji*

Biliary Malignancy and Interferon

467 Anti-inflammatory response in patients with obstructive jaundice caused by biliary malignancy *F Kimura, M Miyazaki, T Suwa, T Sugiura, T Shinoda, H Itoh, K Nagakawa, S Ambiru, H Shimizu and H Yoshitome*

Images of Interest

475 Gastrointestinal: Heterotopic gastric mucosa

473 Hepatobiliary and pancreatic: A man with a large liver mass

476 Hepatobiliary and pancreatic: Commentary

Case Reports

478 Adult intussuscepted Meckel's diverticulum presenting mainly lower gastrointestinal bleeding *C-L Lu, C-Y Chen, S-T Chiu, F-Y Chang and S-D Lee*

481 Ranitidine-related Stevens–Johnson syndrome in patients with severe liver diseases: A report of two cases *C-C Lin, J-C Wu, D-F Huang, Y-S Huang, Y-H Huang, T-I Huo, F-Y Chang and S-D Lee*

484 Expandable metallic stents should not be used in the treatment of benign esophageal strictures *R Ackroyd, DI Watson, PG Devitt and GG Jamieson*

488 **Notices**

Abstracts

A1 Abstracts from APASL Commemorative International Congress on Viral Hepatitis, Prevention and Control

Volume 16 Number 5 May 2001

Editorial

489 Paraesophageal collaterals in endoscopic therapies for esophageal varices: Good or bad? *A Toyonaga and T Iwao*
See article on page 495

Review

491 Iron and hepatocellular carcinoma *Y Deugnier and B Turlin*

Esophageal Varices: Hemodynamics of the Left Gastric Vein

495 Hemodynamics in the left gastric vein after endoscopic ligation of esophageal varices combined with sclerotherapy *H Mizumoto, S Matsutani, T Fukuzawa, H Ishii, G Sato, H Maruyama and H Saisho*
See editorial on page 489

Peptic Ulcer Disease: Dietary factors, Its Repair and Relationship with *Helicobacter pylori* Infection

501 Dietary factors in relation to the distribution of duodenal ulcer in India as assessed by studies in rats *AP Jayaraj, FI Tovey, CG Clark and M Hobsley*

506 Spatio-temporal expression of trefoil peptide following severe gastric ulceration in the rat implicates it in late-stage repair processes *M Ulaganathan, M Familari, ND Yeomans, AS Giraud and GA Cook*

513 Endoscopic duodenitis, gastric metaplasia and *Helicobacter pylori* *Y Urakami and T Sano*

Molecular Studies: Hepatitis A Virus and Hepatectomy

519 Molecular epidemiology of hepatitis A virus in Korea *KS Byun, JH Kim, K-J Song, LJ Baek, J-W Song, SH Park, OS Kwon, JE Yeon, JS Kim, YT Bak and CH Lee*

525 Liver gene regulation in rats following both 70 or 90% hepatectomy and endotoxin treatment *SA Jensen*

Chronic Liver Diseases: Epidemiology, Pathophysiology, Diagnosis and Treatment

531 Prevalence and natural history of subclinical hepatic encephalopathy in cirrhosis *A Das, RK Dhiman, VA Saraswat, M Verma and SR Naik*

536 Risk of alanine aminotransferase flare-up among asymptomatic hepatitis C virus RNA carriers: A 10-year follow-up study *K Tsuji, K Yamasaki, M Yamanishi, M Kawakami and S Shirahama*

541 Differences in the efficacy of ursodeoxycholic acid and bile acid metabolism between viral liver diseases and primary biliary cirrhosis *T Nakashima, T Yoh, Y Sumida, Y Kakisaka and H Mitsuyoshi*

548 Treatment of hepatocellular carcinoma by percutaneous laser hyperthermia *C Christophi and V Muralidharan*

553 Surveillance for hepatocellular carcinoma in patients with chronic viral hepatitis in the United States of America *MJ Tong, LM Blatt and VWC Kao*

Epidemiology of Gallstones

560 Epidemiology of gallstone disease in Chandigarh: A community-based study *V Singh, B Trikha, C Nain, K Singh and S Bose*

564 Prevalence of gallstone disease in Iran *S Massarrat*

Endoscopic Balloon Sphincteroplasty

568 Epinephrine irrigation for the prevention of pancreatic damage after endoscopic balloon sphincteroplasty *A Ohashi, K Tamada, T Tomiyama, S Wada, T Higashizawa, Y Gotoh, Y Satoh, T Miyata, S Tano, K Ido and K Sugano*

Images of Interest

573 Gastrointestinal: Giant gastric ulcers

574 Hepatobiliary and pancreatic: Lobar attenuation difference

591 Hepatobiliary and pancreatic: Commentary

Case Reports

575 Two patients with severe alcoholic hepatitis accompanied by hypercytokinemia and granulocytic hyperelastasemia, successfully treated by intravenous infusion of urinastarine (Miraclid) *K Furukawa, T Kamimura, Y Mahune, H Ohota, T Yoshida, N Ishihara, K Tazaki, Y Suzuki, S Honda, K Ito, I Miki, K Suzuki and A Honma*

581 Advanced gastric cancer with multiple lymph node metastasis successfully treated with etoposide, adriamycin and cisplatin *K Shigemitsu, Y Naomoto, T Matsuno, A Gochi, H Isozaki and N Tanaka*

586 Basaloid-squamous cell carcinoma of the esophagus: Diagnosis based on immunohistochemical analysis *W Nishimura, Y Naomoto, K Hamaya, S Toda, K Miyagi and N Tanaka*

593 **Notices**

Volume 16 Number 6 June 2001

Editorials

595 Role of coagulation in the natural history and treatment of portal vein thrombosis *HLA Janssen*
See article on page 641

597 Concurrent hepatitis B and C virus infection: Is hepatitis C virus stronger? *Y-F Liaw*
See article on page 636

Reviews

599 Lipid peroxidation in hepatic steatosis in humans is associated with hepatic fibrosis and occurs predominately in acinar zone 3 *GA Macdonald, KR Bridle, PJ Ward, NI Walker, K Houglum, DK George, JL Smith, LW Powell, DHG Crawford and GA Ramm*

607 Intestinal dysfunction in liver cirrhosis: Its role in spontaneous bacterial peritonitis *A Ramachandran and KA Balasubramanian*

Retreatment Regimen for *Helicobacter pylori* Infection

613 Strategy for retreatment of therapeutic failure of eradication of *Helicobacter pylori* infection *A Nagahara, H Miwa, R Ohkura, T Yamada, K Sato, M Hojo and N Sato*

Climate and Upper Gastrointestinal Bleeding

619 Influence of climatic factors in the incidence of upper gastrointestinal bleeding *T Nomura, T Ohkusa, A Araki, Y Chuganji, M Momoi, I Takashimizu and M Watanabe*

Colonic Substance P Deficiency

624 Gastrointestinal transit and anorectal manometry in children with colonic substance P deficiency *S Treepongkaruna, JM Hutson, J Hughes, D Cook, AG Catto-Smith, CW Chow and MR Oliver*

Risk for Colorectal Carcinoma

631 Metabolic genotypes and risk for colorectal cancer *WJ Butler, P Ryan and IC Roberts-Thomson*

Influence of Hepatitis C Virus in Hepatitis B Virus Infection

636 Influence of hepatitis C virus on the profiles of patients with chronic hepatitis B virus infection *C-Y Dai, M-L Yu, W-L Chuang, Z-Y Lin, S-C Chen, M-Y Hsieh, L-Y Wang, J-F Tsai and W-Y Chang*
See editorial on page 597

Portal Vein Thrombus, Portal Hemodynamics and Portal Vein Invasion

641 Coagulation profile and platelet functions in patients with extrahepatic portal vein obstruction and non-cirrhotic portal fibrosis *JS Bajaj, J Bhattacharjee and S-K Sarin*
See editorial on page 595

647 Relationship among gastric motility, autonomic activity, and portal hemodynamics in patients with liver cirrhosis *H Miyajima, M Nomura, N Muguruma, T Okahisa, H Shibata, S Okamura, H Honda, I Shimizu, M Harada, K Saito, Y Nakaya and S Ito*

660 Radiation therapy in combination with transcatheter arterial chemoembolization for hepatocellular carcinoma with extensive portal vein involvement *J Tazawa, M Maeda, Y Sakai, M Yamane, H Ohbayashi, S Kakinuma, Y Miyasaka, K Nagayama, N Enomoto and C Sato*

Hepatocellular Carcinoma in India

666 Profile of hepatocellular carcinoma in India: An insight into the possible etiologic associations *S-K Sarin, V Thakur, RC Guptan, S Saigal, V Malhotra, SP Thyagarajan and BC Das*

Autoimmune Liver Disease in Children

674 Autoimmune liver disease in children *SK Yachha, A Srivastava, K Chetri, VA Saraswat and N Krishnani*

***UGT1A1* Mutation and Hyperbilirubinemia**

678 Role of *UGT1A1* mutation in fasting hyperbilirubinemia *T Ishihara, M Kaito, K Takeuchi, EC Gabazza, Y Tanaka, K Higuchi, J Ikoma, S Watanabe, H Sato and Y Adachi*

Acute Pancreatitis: Effect of Somatostatin Analogs and Peritoneal Lavage

683 Effects and mechanisms of somatostatin analogs on apoptosis of pancreatic acinar cells in acute pancreatitis in mice *Y Yuan, Z Gong, K Lou, S Tu, Z Di and J Xu*

689 A meta-analysis of peritoneal lavage for acute pancreatitis *C Platell, D Cooper and JC Hall*

Images of Interest

697 Gastrointestinal: Small bowel enterolith ileus

694 Hepatobiliary and pancreatic: A woman with abdominal pain

698 Hepatobiliary and pancreatic: Commentary

Case Reports

699 Wilson's disease presenting with rapidly progressive visual loss: Another neurologic manifestation of Wilson's disease? *PJ Gow, SE Peacock and RW Chapman*

702 Cardiac tamponade caused by spontaneous rupture of mediastinal lymph node metastasis of hepatocellular carcinoma *S Seki, T Kitada, H Sakaguchi, K Nakatani, T Kamino, K Nakamura and R Yamada*

705 Post-partum acute exacerbation of chronic hepatitis in a hepatitis C-carrier mother *J-D Chen, J-L Chung, J-H Kao and D-S Chen*
709 **Notices**

Volume 16 Number 7 July 2001

Editorials

711 Toward prevention of hepatocellular carcinoma developing in chronic hepatitis C *Y Miyakawa and S Iino*
See article on page 789

715 Optimal surveillance of hepatocellular carcinoma in patients with chronic viral hepatitis *D-Y Lin and Y-F Liaw*
See article in issue 5 on page 553

Historical Review

718 History of viral hepatitis: A tale of dogmas and misinterpretations *R Schmid*

Therapy for *Helicobacter pylori* Infection and CYP2C19 Polymorphism

723 A randomized open trial for comparison of proton pump inhibitors, omeprazole versus rabeprazole, in dual therapy for *Helicobacter pylori* infection in relation to CYP2C19 genetic polymorphism *M Miyoshi, M Mizuno, K Ishiki, Y Nagahara, T Maga, T Torigoe, J Nasu, H Okada, K Yokota, K Oguma and T Tsuji*

Gastritis, Gastric Ulcer, Gastric Metaplasia: Clinical and Experimental Studies

729 Investigation of the extent of gastric metaplasia in the duodenal bulb by using methylene blue staining *C-C Chang, S Pan, G-S Lien, S-H Chen, C-J Cheng, J-D Liu, Y-S Cheng and F-M Suk*

734 Clinicopathological features of gastric mucosa-associated lymphoid tissue lymphoma: A comparison with diffuse large B-cell lymphomas without a mucosa-associated lymphoid tissue lymphoma component *T Hiyama, K Haruma, Y Kitadai, H Masuda, M Miyamoto, M Ito, T Kamada, S Tanaka, N Uemura, M Yoshihara, K Sumii, F Shimamoto and K Chayama*

740 Influence of gender difference and gastritis on gastric ulcer formation in rats *ESL Liu, BCY Wong and C-H Cho*

748 Medium-chain fatty acids stimulate interleukin-8 production in Caco-2 cells with different mechanisms from long-chain fatty acids *S Tanaka, O Saitoh, K Tabata, R Matsuse, K Kojima, K Sugi, K Nakagawa, M Kayazawa, T Teranishi, K Uchida, I Hirata and K-I Katsu*

755 Modulation of acid secretion in common bile duct ligation-related gastropathy in Wistar rats *S Kaur, U Kaur, N Agnihotri, CD Tandon and S Majumdar*

Colonic Inflammation and Tumors: Clinical and Clinicopathological Studies

763 Efficacy of treatment with chimeric monoclonal antibody (Infliximab) to tumor necrosis factor-α for Crohn's disease in Japan: Evaluation by rapid turnover proteins, and radiologic and endoscopic findings *H Asakura, T Yao, T Matsui, K Koganei, T Fukushima, M Takazoe, R Hobara, H Nakano, S Okamura, K Matsueda, H Kashida, K Makiyama, N Hiwatashi, K Kashiwagi and T Hibi*

770 Laterally spreading tumor: Clinicopathological study in comparison with the depressed type of colorectal tumor *Y Ohno, T Terai, T Ogihara, S Hirai and H Miwa*

Chronic Hepatitis C and Portal Hypertension: Diagnosis, Treatment with Interferon, Glycyrrhizin or Propranolol

777 Diagnostic value of serum type IV collagen test in comparison with platelet count for predicting the fibrotic stage in patients with chronic hepatitis C *Y Murawaki, M Koda, K Okamoto, K Mimura and H Kawasaki*

782 Effect of interferon therapy on Japanese chronic hepatitis C virus patients with anti-liver/kidney microsome autoantibody type 1 *Y Iijima, T Kato, H Miyakawa, M Ogino, M Mizuno, K Sugihara, T Ando, K Fujiwara, E Orito, R Ueda and M Mizokami*

789 'Pseudo-aldosteronism' induced by intravenous glycyrrhizin treatment of chronic hepatitis C patients *TGJ van Rossum, FH de Jong, WCJ Hop, F Boomsma and SW Schalm*
See editorial on page 711

796 Systemic and splanchnic hemodynamics following hemorrhage and volume restitution with Haemaccel, in portal hypertensive rats: The effect of propranolol *N Hilzenrat, A Arish, A Yaari and E Sikuler*

Hepatocellular Carcinoma Compared with Cholangiocarcinoma

801 Intraductal ultrasonography for hepatocellular carcinoma with tumor thrombi in the bile duct: Comparison with polypoid cholangiocarcinoma *K Tamada, N Isoda, S Wada, T Tomiyama, A Ohashi, Y Satoh, K Ido and K Sugano*

Connexin 32 and 26 Expression in Primary Cultured Hepatocytes

806 Maintenance of connexin 32 and 26 expression in primary cultured rat hepatocytes treated with 3-acetylpyridine *N Higaki, T Mitaka, F Sato, K Hirata and Y Mochizuki*

Gallbladder Carcinoma and Gallstones

816 Cisapride improves gallbladder emptying and bile lipid composition in patients with gallstones *RK Dhiman, R Reddi, A Sharma, R Singh, KK Kohli, S Gupta, S Suri and Y Chawla*

Images of Interest

823 Gastrointestinal: Intrathoracic upside-down stomach
821 Hepatobiliary and pancreatic: Intrahepatic portal vein anomaly
824 Hepatobiliary and pancreatic: Commentary

Case Reports

825 A rare case of pseudomyxoma peritonei presenting an unusual inguinal hernia and splenic metastasis *S Shimoyama, S Kuramoto, M Kawahara, K Yamasaki, H Endo, T Murakami and M Kaminishi*

830 A case of autoimmune hepatitis with a high titer of antimitochondrial antibody and normal γ-globulinemia *M Shibata, T Morizane, A Tanaka, Y Onozuka, T Uchida, ME Gershwin and K Mitamura*

836 Macrocystic type of serous cystadenoma with a communication between the cyst and pancreatic duct *M Hashimoto, G Watanabe, Y Miura, M Matsuda, K Takeuchi and M Mori*

839 **Letters to the Editor**

844 **Notices**

Volume 16 Number 8 August 2001

Editorial

845 Cerebral vascular resistance in hepatic insufficiency *M Kudo*
See article on page 890

Review

848 Current perspectives in gallbladder carcinoma *SP Kaushik*

Brief Communication

855 Comparison of truncal hair distribution in alcoholic liver disease and alcohol-related chronic pancreatitis *N Kumar, SR Aggarwal and BS Anand*

Tumor of the Esophagus

857 Squamous papilloma of the esophagus: Long-term follow up *S Mosca, G Manes, R Monaco, PF Bellomo, V Bottino and A Balzano*

Inflammation and Infection of the Gastrointestinal Tract

862 High risk of *Helicobacter pylori* infection in young Japanese dentists *K Honda, T Ohkusa, I Takashimizu, M Watanabe and M Amagasa*

866 Antibodies to neutrophil cytoplasma in patients with ulcerative colitis and their first-degree relatives in Thailand *C Osangthamnont, S Manatsathit, S Pongprasopchai, R Viriyataveekul, S Chaihirunkarn, S Leelakusolvong and S Boonyapisit*

872 *Brachyspira aalborgi* infection in four Australian children *RG Heine, PB Ward, ASJ Mikosza, V Bennett-Wood, RM Robins-Browne and DJ Hampson*

Growth Regulation and Cancer

876 Alterations of telomerase activity and terminal restriction fragment in gastric cancer and its premalignant lesions *S-M Yang, D-C Fang, Y-H Luo, R Lu, PD Battle and W-W Liu*

883 Enhancement of tumor radioresponse by combined chemotherapy in murine hepatocarcinoma *J Seong, SH Kim and CO Suh*

Chronic Liver Diseases

890 Cerebral vascular resistance assessed by transcranial color Doppler ultrasonography in patients with chronic liver diseases *M Kawakami, M Koda, Y Murawaki, H Kawasaki and S Ikawa*
See editorial on page 845

898 Characterization of hepatitis B virus surface antigen-specific CD4+ T cells in hepatitis B vaccine non-responders *T Suzuki, K Yamauchi, T Kuwata and N Hayashi*

904 Comparison of real-time quantitative polymerase chain reaction with three other assays for quantitation of hepatitis C virus *M Enomoto, S Nishiguchi, S Shiomi, M Tanaka, K Fukuda, T Ueda, A Tamori, D Habu, T Takeda, Y Yano and S Otani*

Metabolism and Microcirculation of the Liver

910 Pharmacokinetics of roxatidine acetate in patients with chronic liver disease *M Tsutsumi, Y Ueshima and S Takase*

916 Role of endothelin in endotoxin-induced hepatic microvascular dysfunction in rats fed chronically with ethanol *Y Horie, S Kato, E Ohki, H Tamai and H Ishii*

Pancreatobiliary Diseases

923 Prediction of pancreatitis following endoscopic retrograde cholangiopancreatography by the 4-h post procedure amylase level *PR Thomas and S Sengupta*

927 Endoscopic retrograde cholangiopancreatography in the management of pancreaticobiliary disorders in children *U Poddar, BR Thapa, DK Bhasin, A Prasad, B Nagi and K Singh*

Images of Interest

933 Gastrointestinal: Isolated and spontaneous dissection of the superior mesenteric artery

934 Hepatobiliary and pancreatic: A woman with epistaxis, gross hepatomegaly and variceal bleeding

943 Hepatobiliary and pancreatic: Commentary

Case Reports

935 Repeated intestinal perforation caused by an incomplete form of Behçet's syndrome *F-H Ng, T-C Cheung, K-C Chow, S-Y Wong, W-F Ng, H-C Chan, W-K Chau and C-M Chang*

940 Rapid response of severe refractory metastatic Crohn's disease to infliximab *AM Miller, PR Elliott, R Fink and W Connell*

944 **Letters to the Editor**
953 **Corrigenda**
954 **Notices**

Volume 16 Number 9 September 2001

Editorials

955 Hepatitis B surface antigen-positive organ transplantation recipients: Can lamivudine alter their fate? *N Leung*
See article on page 1001

958 Soluble Fas modulates interferon responsiveness *S-L Tsai*
See article on page 1009

Review

960 Alteration of DNA methylation in gastrointestinal carcinogenesis *JY Fang and SD Xiao*

***Helicobacter pylori* Infection: Seroepidemiology, Diagnosis and Treatment**

969 Seroepidemiological study of *Helicobacter pylori* infection in asymptomatic people in South Korea *JH Kim, HY Kim, NY Kim, SW Kim, JG Kim, JJ Kim, IH Roe, JK Seo, JG Sim, H Ahn, BC Yoon, SW Lee, YC Lee, IS Chung, HY Jung, WS Hong and KW Choi*

976 An evaluation of the PyloriTek test for the diagnosis of *Helicobacter pylori* infection in Chinese patients before and after eradication therapy *WM Wong, BCY Wong, VSY Tang, KC Lai, ST Yuen, SY Leung, WHC Hu and SK Lam*

981 Antibiotic susceptibility of *Helicobacter pylori* in the Chinese population *J Yakoob, XG Fan, GL Hu, L Liu and Z Zhang*

Intestine: Physiological Function Test and Inflammation

986 Evaluation of intestinal mucosal function by measuring expired $^{14}CO_2$ after oral administration of ^{14}C-putrescine *A Sasaki, T Tsujikawa, Y Fujiyama and T Bamba*

991 Expression of interleukin-6, leukemia inhibitory factor and their receptors by colonic epithelium and pericryptal fibroblasts *SP Rockman, K Demmler, N Roczo, A Cosgriff, WA Phillips, RJS Thomas and RH Whitehead*

Viral Hepatitis B and C: Organ Transplantation, Treatment with Interferon and Metabolic Bone Disease

1001 Lamivudine treatment for hepatitis B reactivation in HBsAg carriers after organ transplantation: A 4-year experience *C-J Liu, M-Y Lai, P-H Lee, N-K Chou, S-H Chu, P-J Chen, J-H Kao, Y-M Jen and D-S Chen*
See editorial page 955

1009 Significance of serum soluble Fas antigen level in chronic hepatitis C patients treated with interferon: Relationship to the therapeutic response *K Ohkawa, N Hiramatsu, K Mochizuki, E Mita, S Iio, H Yoshihara, M Kato, M Masuzawa, A Kasahara, Y Sasaki, M Hori and N Hayashi*
See editorial page 958

1015 Long-term histological prognosis and serum fibrosis markers in chronic hepatitis C patients treated with interferon *H Kojima, Y Hongo, H Harada, T Inoue, K Miyaji, M Kashiwagi, T Momose, Y Arisaka, H Fukui, S Murai, H Tokita, H Kamitsukasa, M Yagura and K Katsu*

1022 Calcium-parathyroid hormone-vitamin D axis and metabolic bone disease in chronic viral liver disease *MPC Duarte, MLF Farias, HSM Coelho, LMC Mendonça, LMD Stabnov, MDCD Oliveira, RA Lamy and DS Oliveira*

Tuberculosis and Liver Disease

1028 Safety of an ofloxacin-based antitubercular regimen for the treatment of tuberculosis in patients with underlying chronic liver disease: A preliminary report *S Saigal, SR Agarwal, HP Nandeesh and SK Sarin*

1033 Increased risk of antituberculosis drug-induced hepatotoxicity in individuals with glutathione *S*-transferase M1 'null' mutation *B Roy, A Chowdhury, S Kundu, A Santra, B Dey, M Chakraborty and PP Majumder*

Portal Hypertension and Splenic Hypofunction

1038 Hyposplenism in alcoholic cirrhosis, facts or artifacts? A comparative analysis with non-alcoholic cirrhosis and extrahepatic portal venous obstruction *SK Satapathy, S Narayan, N Varma, RK Dhiman, S Varma and Y Chawla*

Gallbladder Function and Biliary Malignancy

1044 Cisapride improves gallbladder emptying in patients with type 2 diabetes mellitus *RK Dhiman, L Arke, A Bhansali, S Gupta and YK Chawla*

1051 An audit of metal stent palliation for malignant biliary obstruction *NI McDougall and SEJ Edmunds*

Acute Pancreatitis, Pancreatic Cancer

1055 Incidence, spectrum and antibiotic sensitivity pattern of bacterial infections among patients with acute pancreatitis *PK Garg, S Khanna, NP Bohidar, A Kapil and RK Tandon*

1060 Ligation of the Fas antigen stimulates chemokine secretion in pancreatic cancer cell line PANC-1 *M Shimada, A Andoh, Y Araki, Y Fujiyama and T Bamba*

Images of Interest

1069 Gastrointestinal: Gastric inflammatory fibroid polyp

1070 Hepatobiliary and pancreatic: A woman with recurrent idiopathic acute pancreatitis

1075 Hepatobiliary and pancreatic: Commentary

Case Report

1071 Solitary pancreatic tuberculosis in immunocompetent patients mimicking pancreatic carcinoma *K Demir, S Kaymakoglu, F Besisik, Z Durakoglu, S Ozdil, Y Kaplan, G Boztas, Y Cakaloglu and A Okten*

1076 **Letters to the Editor**

1080 **Notices**

Volume 16 Number 10 October 2001

Editorials

1081 Peribiliary cysts: A hitherto poorly recognized disease *Y Nakanuma*
See article on page 1167

1084 Ribozymes and hepatitis B virus *HC Spangenberg and JR Wands*
See article on page 1125

Reviews

1086 Portal biliopathy *R Chandra, D Kapoor, A Tharakan, A Chaudhary and SK Sarin*

1093 Four response stages of capsaicin-sensitive primary afferent neurons to capsaicin and its analog: Gastric acid secretion, gastric mucosal damage and protection *G Mózsik, Á Vincze and J Szolcsányi*

Cyclo-oxygenase-2 Expression in Gastric Cancer

1098 Interleukin-1β induces cyclo-oxygenase-2 expression in gastric cancer cells by the p38 and p44/42 mitogen-activated protein kinase signaling pathways *XM Fan, BCY Wong, MCM Lin, CH Cho, WP Wang, HF Kung and SK Lam*

Protection by Drugs of Experimental Intestinal Lesions

1105 FR167653, a potent suppressant of interleukin-1 and tumor necrosis factor-α production, ameliorates colonic lesions in experimentally induced acute colitis *II Pacheco Blandino, M Otaka, M Jin, K Komatsu, M Odashima, N Konishi, T Sato, S Kato and S Watanabe*

1112 Protective effect of rebamipide on indomethacin-induced intestinal damage in rats *H Mizoguchi, Y Ogawa, K Kanatsu, A Tanaka, S Kato and K Takeuchi*

Management of Hepatic Colorectal Metastasis

1120 Clinician opinion on the management of patients with hepatic colorectal metastases *K Moore, L Bokey, P Chapuis and N Tait*

Infection with Hepatitis B and C

1125 Intracellular inhibition of the replication of hepatitis B virus by hammerhead ribozymes *Y Feng, Y-Y Kong, Y Wang and G-R Qi*
See editorial on page 1084

1131 Analysis of hepatocellular carcinoma tumor growth detected in sustained responders to interferon in patients with chronic hepatitis C *H Toyoda, T Kumada, T Honda, K Hayashi, Y Katano, I Nakano, T Hayakawa and Y Fukuda*

Alcoholic Liver Disease in Australia

1138 Alcoholic liver disease: A clinical series in an Australian private practice *KJ Hourigan and FG Bowling*

Autoimmune Hepatitis: An Animal Model and an Indian Experience

1144 Autoimmune hepatitis in an Indian subcontinent: 7 years experience *R Gupta, SR Agarwal, M Jain, V Malhotra and SK Sarin*

1149 Novel murine autoimmune-mediated liver disease model induced by graft-versus-host reaction and concanavalin A *R Unno, Y Matsuzaki, S Itoh, M Doy, J Shoda and N Tanaka*

Serum Hyaluronic Acid and Evaluation of Functional Liver Reserve

1158 Measurement of serum hyaluronic acid level during the perioperative period of liver resection for evaluation of functional liver reserve *A Nanashima, H Yamaguchi, S Shibasaki, T Sawai, E Yamaguchi, T Yasutake, T Tsuji, M Jibiki, T Nakagoe and H Ayabe*

Images of Interest

1165 Gastrointestinal: Acute appendicitis

1166 Hepatobiliary and pancreatic: An old woman with hepatocellular carcinoma who underwent resection and chemoembolization

1170 Hepatobiliary and pancreatic: Commentary

Case Report

1167 Multiple hepatic peribiliary cysts discovered incidentally at a medical examination *S-I Okada, Y Kojima, A Morozumi, T Ainota, Y Miyazaki and Y Akahane*
See editorial on page 1081

1171 **Letters to the Editor**

1175 **Notices**

Volume 16 Number 11 November 2001

Editorial

1177 Patterns of reflux in gastroesophageal reflux disease: Are they of clinical use? *KR Devault*
See article on page 1184

Review

1179 Membranous obstruction of the inferior vena cava (obliterative hepatocavopathy, Okuda) *K Okuda*

Reflux Esophagitis: Effect of Position, Nocturnal Acid Reflux

1184 Upright versus supine reflux in gastroesophageal reflux disease *R Ouatu-Lascar, OS Lin, RC Fitzgerald and G Triadafilopoulos*
See editorial on page 1177

1191 Predominant nocturnal acid reflux in patients with Los Angeles grade C and D reflux esophagitis *K Adachi, H Fujishiro, T Katsube, M Yuki, M Ono, A Kawamura, MAK Rumi, M Watanabe and Y Kinoshita*

***Helicobacter pylori* Infection**

1197 *Helicobacter pylori* alters n-6 fatty acid metabolism and prostaglandin E_2 synthesis in rat gastric mucosal cells *A Nakaya, H Wakabayashi, L Imamura, K Fukuta, S Makimoto, K Naganuma, T Orihara, M Minemura, Y Shimizu, T Nagasawa, T Hamazaki and A Watanabe*

1206 Vitamin C inhibits corpus gastritis in *Helicobacter pylori*-infected patients during acid-suppressive therapy *M Yoshinaga, A Ohtani, N Harada, Y Fukuda and H Nawata*

1211 Influence of *Helicobacter pylori* infection and cetraxate on gastric mucosal blood flow during healing of endoscopic mucosal resection-induced ulcers *K Adachi, H Suetsugu, N Moriyama, H Kazumori, A Kawamura, H Fujishiro, H Sato, T Okuyama, S Ishihara, M Watanabe and Y Kinoshita*

1217 Influence of *Helicobacter pylori* infection on the prevalence of reflux esophagitis in Japanese patients *H Fujishiro, K Adachi, A Kawamura, T Katsube, M Ono, M Yuki, K Amano, S Ishihara and Y Kinoshita*

Achlorhydria and Trefoil Peptide

1222 Effect of omeprazole-induced achlorhydria on trefoil peptide expression in the rat stomach *B Kang, BM Alderman, AJ Nicoll, GA Cook and AS Giraud*

Inflammatory Bowel Disease: Experimental and Clinical

1228 Expression of B7 costimulatory molecules by cells infiltrating the colon in experimental colitis induced by oral dextran sulfate sodium in the mouse *RH Grose, GS Howarth, CJ Xian and AW Hohmann*

1235 Chronic narcotic use in inflammatory bowel disease patients: Prevalence and clinical characteristics *JT Edwards, GL Radford-Smith and THJ Florin*

Acute Viral Hepatitis A and Glucose-6-Phosphate Dehydrogenase Deficiency

1239 Glucose-6-phosphate dehydrogenase deficiency is associated with increased initial clinical severity of acute viral hepatitis A *I Gotsman and M Muszkat*

Liver Fibrosis: Effect of Anti-oxidant, Alcohol Withdrawal

1244 Anti-oxidant ebselen causes the resolution of experimentally induced hepatic fibrosis in rats *S Wasser, GY Lim, C-N Ong and CEL Tan*

1254 Effect of alcohol withdrawal on liver transaminase levels and markers of liver fibrosis *S Campbell, PM Timms, PR Maxwell, EM Doherty, MZ Rahman, MEJ Lean and BJ Danesh*

Herbal Medicine and Hepatic Microvascular Dysfunction

1260 A Japanese herbal medicine, Sho-saiko-to, prevents gut ischemia/reperfusion-induced hepatic microvascular dysfunction in rats *Y Horie, M Kajihara, Y Yamagishi, H Kimura, H Tamai, S Kato and H Ishii*

Endotoxin and Hepatic Stellate Cell Response to Ethanol and Acetaldehyde

1267 Effect of endotoxin pretreatment on hepatic stellate cell response to ethanol and acetaldehyde *SC Quiroz, L Bucio, V Souza, E Hernández, E González, L Gómez-Quiroz, D Kershenobich, F Vargas-Vorackova and Ma. C Gutiérrez-Ruiz*

Hepatocellular Carcinoma: Clinical Studies

1274 High viral loads, serum alanine aminotransferase and gender are predictive factors for the development of hepatocellular carcinoma from viral compensated liver cirrhosis *T Ishikawa, T Ichida, S Yamagiwa, S Sugahara, K Uehara, S Okoshi and H Asakura*

1282 *N*-acetylglucosaminyltransferase V as a possible aid for the evaluation of tumor invasiveness in patients with hepatocellular carcinoma *M Yanagi, Y Aoyagi, T Suda, Y Mita and H Asakura*

1290 Comparison of clinicopathological features of patients with hepatocellular carcinoma seropositive for α-fetoprotein alone and those seropositive for des-γ-carboxy prothrombin alone *H Okuda, T Nakanishi, K Takatsu, A Saito, N Hayashi, M Yamamoto, K Takasaki and M Nakano*

Outcome of Autoimmune Hepatitis in Children

1297 Long-term outcome of autoimmune hepatitis in children *OI Saadah, AL Smith and W Hardikar*

Images of Interest

1305 Gastrointestinal: Diaphragmatic hernia

1303 Hepatobiliary and pancreatic: A woman with a back pain and increased urinary amylase

1309 Hepatobiliary and pancreatic: Commentary

Case Report

1306 Therapeutic effects on intestinal Behçet's disease of an intravenous drug delivery system using dexamethasone incorporated in lipid emulsion *H Nakase, K Okazaki, C Kawanami, K Uchida, M Ohana, S Uose, T Nishi, T Itoh, A Okano, A Nichio, H Takakuwa and T Chiba*

1310 **Letter to the Editor**

1312 **Notices**

Volume 16 Number 12 December 2001

Editorial

1313 Hepatic hydroxylation of bile acids and chronic liver diseases: Do transporters play a mechanistic role? *S Tazuma and K Chayama*
See article in issue 5, pages 541–7

1316 Primary biliary cirrhosis and pernicious anemia *K Dohmen*
See article on page 1420

Review

1319 Benign nodular hepatocellular lesions caused by abnormal hepatic circulation: Etiological analysis and introduction of a new concept *F Kondo*

1329 Chemoprevention of hepatocellular carcinoma: Concept, progress and perspectives *M Okuno, S Kojima and H Moriwaki*

***Helicobacter pylori* Infection**

1336 Reactive oxygen species activity, mucosal lipoperoxidation and glutathione in *Helicobacter pylori*-infected gastric mucosa *HK Jung, KE Lee, SH Chu and SY Yi*

1341 Extending the reading time increases the accuracy of rapid whole blood test for diagnosis of *Helicobacter pylori* infection *T-S Chen, F-Y Chang and S-D Lee*

1346 Endoscopically demonstrable esophageal changes after *Helicobacter pylori* eradication in patients with gastric disease *S Yachida, D Saito, T Kozu, T Gotoda, T Inui, M Fujishiro, I Oda, T Okabayashi, Y Kakugawa, H Ono and H Kondo*

Inflammatory Bowel Disease

1353 Spatial distribution and histogenesis colorectal Paneth cell metaplasia in idiopathic inflammatory bowel disease *M Tanaka, H Saito, T Kusumi, S Fukuda, T Shimoyama, Y Sasaki, K Suto, A Munakata and H Kudo*

1360 Correlation of rectum-associated lymph nodules with the development of experimentally induced acute colonic inflammation in rats *S Ichikawa, S Gu and A Yamashita*

1368 Observer variation of diagnoses based on simple biopsy criteria differentiating among Crohn's disease, ulcerative colitis, and other forms of colitis *M Tanaka, T Masuda, T Yao, H Saito, T Kusumi, H Nagura and H Kudo*

Escape Mutants of Hepatitis B Virus

1373 Prevalence of vaccine-induced escape mutants of hepatitis B virus in the adult population in China: A prospective study in 176 restaurant employees *C He, F Nomura, S Itoga, K Isobe and T Nakai*

Hepatocellular Carcinoma and α-Fetoprotein

1378 Multicenter prospective analysis of newly diagnosed hepatocellular carcinoma with respect to the percentage of *Lens culinaris* agglutinin-reactive α-fetoprotein *H Oka, A Saito, K Ito, T Kumada, S Satomura, H Kasugai, Y Osaki, T Seki, M Kudo and M Tanaka*

Autoimmune Hepatitis and Primary Biliary Cirrhosis

1384 Autoimmune hepatitis in Singapore: A rare syndrome affecting middle-aged women *YM Lee, EK Teo, TM Ng, C Khor and KM Fock*

1390 Antimitochondrial autoantibodies in saliva and sera from patients with primary biliary cirrhosis *N Ikuno, IR Mackay, J Jois, K Omagari and MJ Rowley*

Non-Alcoholic Steatohepatitis

1395 Role of non-alcoholic steatohepatitis in methotrexate-induced liver injury *G Langman, P de la M Hall and G Todd*

Glycogen Storage Disease Type 1a

1402 Glucose-6-phosphatase gene mutations in 20 adult Japanese patients with glycogen storage disease type 1a with reference to hepatic tumors *T Nakamura, T Ozawa, T Kawasaki, H Nakamura and H Sugimura*

Leptin in Chronic Liver Diseases

1409 Inverse relationship between circulating levels of leptin and bone mineral density in chronic liver disease *S Omarsdóttir, Ö Ljunggren, H Mallmin, H Olofsson, WF Blum and L Lööf*

Images of Interest

1417 Gastrointestinal: Celiac Disease

1415 Hepatobiliary and pancreatic: A woman with jaundice and anorexia

1418 Hepatobiliary and pancreatic: Commentary

Case Reports

1420 A female with asymptomatic primary biliary cirrhosis associated with pernicious anemia *T Takahashi, T Honma, K Ishizuka, I Fuse and H Asakura*
See editorial on page 1316

1425 Embolization of the left portal vein to inferior vena cava shunts for chronic recurrent hepatic encephalopathy via the mesenteric vein *Y Takayama, S Moriura, J Nagata, A Akutagawa, A Hirano, S Ishiguro, T Matsumoto and T Sato*

1429 Extensive mesenteric vein and portal vein thrombosis successfully treated by thrombolysis and anticoagulation *A Tateishi, H Mitsui, T Oki, J Morishita, H Maekawa, N Yahagi, T Maruyama, M Ichinose, S Ohnishi, Y Shiratori, M Minami, S Koutetsu, N Hori, T Watanabe, H Nagawa and M Omata*

1434 **Notices**

1435 **Referees**

1438 **Author index**

1445 **Subject index**